MONTHLY BULLETIN

OF

THE OBSERVATORY

AMERICAN UNIVERSITY OF BEIRUT

BEIRUT, LEBANON

LAT. 33° 54' 22" N.

LONG. E. FROM GREENWICH 35° 28' 10"

November 1949

ROBERT W. SLOANE, DIRECTOR

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WEATHER BUREAU

NOVEMBER 1949

METEOROLOGICAL REGISTER

Date	Barometer reduced to O°C Sea level and 45° Latitude 700 mm. +...				Thermometer Degrees Centigrade					
	8.30	14:30	20:30	Mean	Max.	Min.	8:30	14:30	20:30	Mean
1	62.6	60.6	61.4	61.5	25.4	19.1	21.6	23.8	21.7	22.4
2	61.6	61.2	62.1	61.6	25.0	18.9	22.8	23.9	20.7	22.5
3	63.6	63.0	64.3	63.6	24.3	18.8	22.3	24.1	21.1	22.5
4	64.7	64.4	64.5	64.5	25.7	19.9	22.3	23.4	21.6	22.4
5	63.7	62.0	61.7	62.5	26.6	21.3	22.7	24.4	21.7	22.9
6	61.4	60.3	60.9	60.9	29.0	21.8	26.5	28.0	24.4	26.3
7	62.7	62.0	61.7	62.2	27.4	20.7	25.8	26.9	22.8	25.2
8	62.3	61.0	60.5	61.3	27.4	20.1	23.1	24.9	21.4	23.1
9	59.1	58.4	59.7	59.1	28.9	22.2	26.7	26.1	23.3	25.4
10	61.2	60.1	60.1	60.5	24.6	18.0	22.7	23.8	20.5	22.3
11	60.0	59.7	60.8	60.2	24.6	17.2	18.1	19.9	17.7	18.6
12	61.1	60.4	61.2	60.9	21.9	17.1	20.0	21.6	18.3	20.0
13	62.0	61.6	62.3	62.0	23.2	17.2	20.4	22.5	18.8	20.6
14	63.3	62.5	60.6	62.1	23.4	18.1	20.7	22.0	19.6	20.8
15	63.5	62.3	63.1	63.1	26.2	18.0	21.3	23.3	21.2	21.9
16	62.6	61.6	62.3	62.3	30.2	22.9	26.3	25.4	24.7	25.5
17	62.0	60.1	58.1	60.1	27.1	19.5	25.1	25.6	22.1	24.3
18	62.8	62.4	63.1	62.8	25.0	18.8	22.4	23.5	20.4	22.1
19	64.0	63.1	63.7	63.6	23.8	18.8	21.4	22.9	20.4	21.6
20	63.9	62.8	62.6	63.1	24.0	19.3	21.1	23.3	20.1	21.5
21	62.5	61.0	60.7	61.4	25.0	18.8	23.1	23.8	21.8	22.9
22	60.4	59.0	59.4	59.6	24.4	18.0	21.4	23.3	19.3	21.7
23	60.3	59.2	60.7	60.1	23.7	16.7	20.4	22.7	18.1	20.4
24	62.6	62.0	62.9	62.5	22.0	16.3	19.3	21.4	17.6	19.4
25	64.5	63.9	64.8	64.4	22.4	16.6	18.3	21.6	18.4	19.4
26	66.4	64.9	63.5	64.9	22.3	15.9	19.2	21.1	19.3	19.9
27	66.5	65.9	66.1	66.2	23.0	15.9	18.3	21.1	19.3	19.6
28	68.6	66.7	67.2	67.5	22.4	15.8	19.0	21.1	18.4	19.5
29	67.9	65.9	66.3	66.7	22.6	15.7	19.4	21.6	17.6	19.5
30	64.9	63.2	63.5	63.9	22.7	16.9	18.9	21.5	18.3	19.6
31										
	63.09	62.04	62.33	62.49	24.81	18.44	21.69	23.28	20.36	21.79

Barometer, range for month 768.6 mm. — 758.1 mm.

,, 71-yr. average for month 762.63 mm.

Thermometer, range for month 30.2°C — 15.7°C

,, 71-yr. average for month 19.85°C.

Rain, total for month 16.76 mm.

,, 71-yrs. average for month 132.61 mm.

,, Tolal, Sept. 1st. to end of month 49.02 mm.

,, 71-yr. average, Sept. 1st. to end of month 188.82 mm.

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METEOROLOGICAL REGISTER

Date	Pressure of Water Vapor Millibars				Relative Humidity per cent.				sun.	Wind per day	Rain
	8:30	14:30	20:30	Mean	8:30	14:30	20:30	Mean	Hrs.	Kms.	m.m.
1	19.0	20.9	19.6	19.8	72	71	76	73	9.3	177.0	
2	21.0	22.8	19.9	21.2	75	76	83	78	8.2	101.0	
3	20.4	16.6	22.5	19.8	76	61	90	76	8.0	109.0	
4	21.8	26.2	23.3	23.8	81	87	90	86	9.4	117.0	
5	23.6	21.7	25.3	23.4	84	71	98	84	9.6	119.0	
6	21.3	19.1	13.3	17.9	61	52	43	52	8.6	79.0	
7	18.7	19.5	13.5	17.2	56	53	48	52	8.5	89.0	
8	23.3	24.6	24.0	24.0	82	77	93	84	9.0	93.0	
9	11.3	22.4	12.5	15.4	32	66	44	47	8.1	135.0	
10	10.0	20.3	18.7	16.3	71	69	77	72	5.2	299.0	
11	19.9	17.4	17.5	18.3	96	76	86	86	3.4	77.0	16.51
12	16.3	17.8	15.5	16.5	70	69	72	70	4.9	50.0	0.25
13	14.9	17.5	16.7	16.4	60	63	76	66	6.3	60.0	
14	17.3	19.2	17.3	17.9	72	71	78	74	9.8	35.0	
15	20.0	22.0	16.5	19.5	79	78	68	75	8.6	306.0	
16	12.0	23.5	11.6	15.7	36	67	37	47	8.0	203.0	
17	15.9	15.9	15.1	15.6	49	50	57	52	7.9	98.0	
18	21.8	22.6	21.1	21.8	79	78	86	81	8.6	64.0	
19	20.1	21.2	21.7	21.0	82	78	91	84	9.1	72.0	
20	22.5	23.3	19.7	21.8	89	81	84	85	8 4	48.0	
21	23.3	20.9	23.3	22.5	82	70	90	81	7.3	35.0	
22	19.0	20.7	17.3	19.0	74	72	77	74	9.1	32.0	
23	13.7	19.3	13.9	15.6	57	69	65	64	8.2	111.0	
24	13.6	11.6	9.3	11.5	60	46	45	50	9.4	132.0	
25	11.1	17.2	15.5	14.6	53	66	75	65	8.7	122.0	
26	15.1	16.5	16.8	16.1	66	67	74	69	9.3	119.0	
27	11.8	17.7	15.5	15.0	56	67	72	65	9.6	93.0	
28	9.5	17.1	13.9	13.5	43	70	66	60	9.4	153.0	
29	10.4	15.0	12.3	12.6	46	58	61	55	9.1	56.0	
30	11.7	16.1	15.5	14.4	54	62	73	63	8.9	42.0	
31											
	17.01	19.55	17.29	17.95	66.4	64.7	72.5	69.0	8.26	107.53	0.56

Height of Barometer above sea level: 33.7 meters.

,, ,, Thermometers above ground:

Dry and wet 1.55 m ; Max. 1.75 m.; Min. 1.70 m.

Rim of Rain Gauge: above ground 0 56 m.; above sea level 30.31 m.

Time of reading minus 2 hours equal G.C.T.

71year averages are for period, 1875-1945

NOVEMBER 1949

METEOROLOGICAL REGISTER

Date	Clouds clear—0 Overcast—10				Direction and force of wind Beaufort scale			Sea	Notes
	8:30	14:30	20:30	Mean	8:30	14:30	30:20		
1	0	0	2ci	0.7	1e	2ne	2n		Good visibility
2	3cu	6cu-ci	2ci-st	3.7	1sw	1nw	1nw		
3	1cu	9ci	2ci	4.0	1se	1ne	2ne		
4	0	0	0	0.0	1ne	2ne	1ne		
5	0	0	0	0.0	1sw	1sw	1sw		Dew, a.m.
6	2st-ci	2ci	4cu-st	2.7	1sw	1ne	0		
7	6ci-st	5ci	6ci-st	5.7	1se	1sw	0		
8	3cu-st	3ci-cu	5ci	3.7	1s	1n	0		Dew, a.m.
9	9st	3ci-cu	6ci	6.0	1se	1se	1s		
10	10st-cu	8st	3ci-st	7.0	2w	1w	1sw		
11	10ni	8cu	4cu	7.3	4sw	1sw	1sw		
12	8ci-cu	5ci	3ci	5.3	1ne	1ne	1ne		
13	3ci-st	8st-ci	3ci	4.7	1se	1nw	1nw		
14	0	0	0	0.0	0	1nw	1nw		
15	0	0	0	0.0	1sw	1nw	1nw		Dew, a.m.
16	8ci	3ci	2ci	4.3	2e	1e	1e		
17	8ci	8ci	2ci	6.0	0	1e	0		
18	4st-cu	1cu	0	1.7	1sw	1nw	0		
19	0	1ci	0	0.3	1ne	1nw	1nw		Dew, a.m.
20	6cu-ci	5cu-ci	0	3.7	1s	2sw	0		Dew, a.m.
21	8ci-st	6ci-st	0	4.7	2ne	1ne	2ne		
22	3ci-cu	0	0	1.0	1sw	1w	1w		
23	3st	6cu-ni	0	3.0	2sw	1sw	1s		Thunder, p m.
24	0	0	0	0.0	1se	2n	1n		Good visibility
25	3st-cu	3cu-ci	4cu-st	3.3	1se	1nw	0		
26	1cu-ci	0	0	0.3	1se	2ne	1ne		
27	0	5ci	0	1.7	0	2ne	1ne		
28	0	4ci	0	1.3	1se	2ne	1ne		
29	3ci	2ci	0	1.7	1se	1ne	1ne		
30	8ci	4ci	10ci	7.3	1sw	1ne	1nw		
31									
				3.04					

Abbreviations :— G = gale; H = haze; M = mist; T = thunderstorm; D = dew.
W = strong wind; Tr = trace of rain

Number of Daily Wind Observations

Time	N	NE	E	SE	S	SW	W	NW	Calm	Totals
8:30	0	4	2	9	2	9	1	0	3	30
14:30	2	11	2	1	0	5	2	7	0	30
20:30	2	8	1	0	2	3	1	6	7	30
Total	4	23	5	10	4	17	4	13	10	90

Number of days with rain 2, fog 0, thunderstorms 0, gale 0.

71 yr. av. number of days with rain during month 9.4